

Title (en)

PLANNING AND REAL-TIME UPDATING A 3D TRAJECTORY OF A MEDICAL INSTRUMENT

Title (de)

PLANUNG UND ECHTZEITAKTUALISIERUNG EINER 3D-BAHN EINES MEDIZINISCHEN INSTRUMENTS

Title (fr)

PLANIFICATION ET MISE À JOUR EN TEMPS RÉEL D'UNE TRAJECTOIRE 3D D'UN INSTRUMENT MÉDICAL

Publication

EP 4065014 A1 20221005 (EN)

Application

EP 20892326 A 20201126

Priority

- US 201962941586 P 20191127
- IL 2020051219 W 20201126

Abstract (en)

[origin: WO2021105992A1] Provided are systems, devices and methods for automated steering of medical instrument in a subject's body for diagnostic and/or therapeutic purposes, wherein the steering of the medical instrument within the subject's body is based on a planned 3D trajectory and real-time updating the 3D trajectory, to allow safely and accurately reaching a target within the subject's body.

IPC 8 full level

A61B 17/34 (2006.01); **A61B 34/10** (2016.01); **A61B 34/20** (2016.01)

CPC (source: EP IL KR US)

A61B 17/3403 (2013.01 - EP IL); **A61B 34/10** (2016.02 - KR US); **A61B 34/20** (2016.02 - EP IL KR US); **A61B 90/37** (2016.02 - KR); **G16H 30/40** (2017.12 - KR); **G16H 40/40** (2017.12 - KR); **A61B 2017/00119** (2013.01 - EP IL); **A61B 2017/00809** (2013.01 - EP IL); **A61B 2017/3409** (2013.01 - EP IL); **A61B 2034/107** (2016.02 - EP IL KR); **A61B 2034/2051** (2016.02 - US); **A61B 2034/2065** (2016.02 - EP IL KR); **A61B 2090/064** (2016.02 - EP IL); **A61B 2090/374** (2016.02 - EP IL KR); **A61B 2090/376** (2016.02 - KR); **A61B 2090/3762** (2016.02 - EP IL KR); **A61B 2090/378** (2016.02 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2021105992 A1 20210603; **WO 2021105992 A9 20220303**; AU 2020393419 A1 20220609; BR 112022010414 A2 20220823; CA 3163081 A1 20210603; CN 115003235 A 20220902; EP 4065014 A1 20221005; EP 4065014 A4 20230419; IL 293126 A 20220701; JP 2023503286 A 20230127; KR 20220106140 A 20220728; US 2022409291 A1 20221229

DOCDB simple family (application)

IL 2020051219 W 20201126; AU 2020393419 A 20201126; BR 112022010414 A 20201126; CA 3163081 A 20201126; CN 202080094626 A 20201126; EP 20892326 A 20201126; IL 29312622 A 20220519; JP 2022529408 A 20201126; KR 20227018537 A 20201126; US 20201777760 A 20201126